

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A method of identifying devices using an Internet Protocol version 6 (IPv6) address, the method comprising:

providing an interface ID area comprising a company ID area, a device ID area and a serial number area using an extended unique identifier (EUI-64) ID format; and

identifying the devices using device ID information for identifying types of the devices recorded in the device ID area, and unique number assigned to the devices recorded in the serial number area,

wherein the device ID area is located between the company ID area and the serial number area.

Claims 2 and 3 are canceled.

4. (previously presented): A computer readable recording medium having recorded thereon computer enabling code for executing a method for identifying devices using an Internet Protocol version (IPv6) address, the method comprising:

providing an interface ID area comprising a company ID area, a device ID area and a serial number area using an extended unique identifier (EUI-64) ID format; and

identifying the devices using device ID information for identifying types of the devices recorded in the device ID area, and unique number assigned to the devices recorded in the serial number area,

wherein the device ID area is located between the company ID area and the serial number area.

5. (previously presented): The computer readable recording medium of claim 4, wherein the device ID area is placed in the an upper 4 bits and 5 bits of the interface ID area.

6. (new): The method of claim 1, wherein the company ID area is assigned by a network standard body.

7. (new): The method of claim 1, wherein specific types of devices among devices connected to a home network are identified by the device ID information, and a specific device among the specific types of devices is identified by the serial number.

8. (new): The computer readable recording medium of claim 4, wherein the company ID area is assigned by a network standard body.

9. (new): The computer readable recording medium of claim 4, wherein specific types of devices among devices connected to a home network are identified by the device ID information, and a specific device among the specific types of devices is identified by the serial number.